Translation





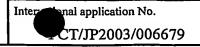
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and RuRee'd PCT/PTO 23 DEC 2004

| Applicant's or agent's file reference ONF-4567PCT | FOR FURTHER ACTION | See Form PCT/IPEA/416 |
|--|---|---|
| International application No. PCT/JP2003/006679 | International filing date (day/month/yea 28 May 2003 (28.05.2003) | r) Priority date (day/month/year) 26 June 2002 (26.06.2002) |
| International Patent Classification (IPC) or n A61K 45/00, 31/4406, A61P 3/0 C07D 213/40 | ational classification and IPC 4, 9/00, 9/04, 9/10, 11/00, 11/06, 13 | 08, 13/12, 17/00, 17/04, 29/00, 43/00, |
| Applicant C | NO PHARMACEUTICAL CO., | LTD. |
| This report is the international prelir Authority under Article 35 and trans | ninary examination report, established be mitted to the applicant according to Arti | this International Preliminary Examining cle 36. |
| | 6 sheets, including this co | ver sheet. |
| 3. This report is also accompanied by A a. (sent to the applicant and | ANNEXES, comprising: to the International Bureau) a total of _ | sheets as follows: |
| sheets of the desc | ription, claims and/or drawings which hataining rectifications authorized by this | we been amended and are the basis of this report Authority (see Rule 70.16 and Section 607 of the |
| sheets which super beyond the disclo Supplemental Box | sure in the international application as t | nority considers contain an amendment that goes iled, as indicated in item 4 of Box No. I and the |
| | , containing a sequence | e type and number of electronic carrier(s)) listing and/or tables related thereto, in computer ng to Sequence Listing (see Section 802 of the |
| 4. This report contains indications rela | ting to the following items: | |
| Box No. I Basis of the re | port | |
| Box No. II Priority | | • |
| Box No. III Non-establish | ment of opinion with regard to novelty, i | nventive step and industrial applicability |
| Box No. IV Lack of unity | of invention | |
| Box No. V Reasoned state citations and e | ement under Article 35(2) with regard to explanations supporting such statement | novelty, inventive step or industrial applicability; |
| Box No. VI Certain docum | nents cited | |
| Box No. VII Certain defect | s in the international application | |
| Box No. VIII Certain observ | vations on the international application | |
| Date of submission of the demand | Date of comple | ion of this report |
| 06 January 2004 (06.01 | .2004) | 04 August 2004 (04.08.2004) |
| Name and mailing address of the IPEA/JP | Authorized offi | cer |
| Facsimile No. | Telephone No. | |





| Box No. | I | Basis of the report | | |
|--|-------------------|---|--|--|
| 1. With r | regarc vise ir | d to the language, this report is based on the international application in the language in which it was filed, unless indicated under this item. | | |
| | | s report is based on translations from the original language into the following language, the is language of a translation furnished for the purpose of: | | |
| 1 | | international search (under Rules 12.3 and 23.1(b)) | | |
| publication of the international application (under Rule 12.4) | | | | |
| ļ | | international preliminary examination (under Rules 55.2 and/or 55.3) | | |
| 1 | | • | | |
| furnisi and ar | hed to re not | rd to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): international application as originally filed/furnished | | |
| | | description: | | |
| _ | pages | | | |
| | pages | received by this Authority on | | |
| | pages | received by this Authority on | | |
| | the c | claims: | | |
| | pages | , as originally filed/furnished | | |
| | pages | | | |
| 1 | pages | received by this Authority on | | |
| 1 | pages | | | |
| | the d | drawings: | | |
| _ | pages | | | |
| | pages | | | |
| | page | | | |
| | | quence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing. | | |
| | | 2 | | |
| 3. | The | amendments have resulted in the cancellation of: | | |
| ~ | -116 | 1 | | |
| | 닏 | the description, pages | | |
| | | the claims, Nos. | | |
| | | the drawings, sheets/figs | | |
| | | the sequence listing (specify): | | |
| | | any table(s) related to sequence listing (specify): | | |
| , [| | | | |
| | made | s report has been established as if (some of) the amendments annexed to this report and listed below had not been le, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box le 70.2(c)). | | |
| i | | the description, pages | | |
| | 尸 | 1 | | |
| | 님 | the drawings sheets/figs | | |
| | 님 | the sequence listing (analish) | | |
| | 닏 | the sequence listing (specify): | | |
| | Ш | any table(s) related to sequence listing (specify): | | |
| * If iten | n 4 ap | applies, some or all of those sheets may be marked "superseded." | | |

| Box No. III | I Non-establishment of opinion with | regard to novelty, inventive step and industrial applicability |
|-----------------------|---|---|
| The questi applicable | ions whether the claimed invention appe have not been examined in respect of: | ars to be novel, to involve an inventive step (to be non obvious), or to be industrially |
| | the entire international application. | |
| | claims Nos. 7, 1-3, 6, 8, 9 in | 1-part |
| | the said international application, or the | nich does not require an international preliminary examination (specify): |
| | the description, claims or drawings (indiare so unclear that no meaningful opinion) | icate particular elements below) or said claims Noson could be formed (specify): |
| | the claims, or said claims Nosby the description that no meaningful or | are so inadequately supported pinion could be formed. |
| \boxtimes | no international search report has been e | established for said claims Nos. 7, 1-3, 6, 8, 9 in-part . |
| | the nucleotide and/or amino acid sequent Administrative Instructions in that: | nce listing does not comply with the standard provided for in Annex C of the |
| | the written form | has not been furnished |
| | | does not comply with the standard |
| | the computer readable form | has not been furnished |
| | | does not comply with the standard |
| | the tables related to the nucleotide and/o the technical requirements provided for | r amino acid sequence listing, if in computer readable form only, do not comply with in Annex C-bis of the Administrative Instructions. |
| | see Supplemental Box for further details | i. |

International application No. PCT 03/06679

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: III.1

Claim 7 pertains to a method for the treatment of the human body by therapy, and thus relates to a subject matter for which this International Preliminary Examining Authority is not required to carry out and international preliminary examination under the provisions of PCT Article 34(4)(a)(i) and PCT Rule 67.1(iv).

| I | v. | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; |
|---|----|--|
| ı | | citations and explanations supporting such statement |

| Statement | | | |
|-------------------------------|--------|------------|-----|
| Novelty (N) | Claims | 3, 4, 6, 9 | YES |
| | Claims | 1, 2, 5, 8 | NO |
| Inventive step (IS) | Claims | 3, 4, 6, 9 | YES |
| | Claims | 1, 2, 5, 8 | NO |
| Industrial applicability (IA) | Claims | 1-6, 8, 9 | YES |
| | Claims | | NO |

2. Citations and explanations

Documents cited in the international search report:

Document 1: WO 01/60819 A1

Document 2: S. T. SVETLOV et al., Biochim. Biophys.

Acta., 23 May 2002, 1582(1-3), pages 251-256

Document 3: WO 01/71022 A2

Claims 1, 2, 5 and 8

Document 1 indicates that the compounds represented by formula [1] are LPA-receptor antagonists which are useful as therapeutic agents or prophylactic agents for cytoproliferative diseases, inflammatory diseases, renal disorders and the like. Therein, example 173 (page 112) indicates the effects of methyl 3-({4-[4-({[1-(2-chlorophenyl)ethoxy]carbonyl}amino)-3-methyl-5-isoxazolyl]benzyl}sulfanyl)propanoate (which corresponds to compound (b) in the examples of the present application) in an animal model of peripheral circulatory obstructions, which are one type of chronic disorder.

Consequently, the inventions set forth in claims 1, 2, 5 and 8 lack novelty and do not involve an inventive step.

International application No. PC P 03/06679

Claims 3 and 9

The documents cited in the international search report do not disclose or suggest the feature of using an EDG-2 antagonist as a therapeutic or prophylactic agent against prostatomegaly.

Claims 4 and 6

The documents cited in the international search report do not disclose or suggest a feature wherein the compounds represented by general formula (I) or general formula (III) are EDG-2 antagonists which can be used as therapeutic or prophylactic agents against chronic disorders.